



VICTRON MultiPlus 24/500/10-16 Battery Charger Inverter 24V 16A

Reference: PMP241500000

VICTRON MultiPlus 24/500/10-16 24V 16A BatteryCharger Inverter

The VICTRON MultiPlus 24/500/10-16 is a powerful pure sine wave inverter and battery charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 24/500/10-16 is a versatile solution that offers a wide range of advanced features for supply and energy management. This model supports parallel operation and can be configured to operate in a three-phase mode, allowing users to connect up to six MultiPlus units for a significant improvement in power output. This parallel connection capability provides flexibility in managing energy demands.

One of the key features of the VICTRON MultiPlus 24/500/10-16 battery charger is the PowerControl technology, which allows setting a maximum current limit for the generator or shore connection. This effectively prevents overload of these power sources when other AC loads are in operation.

PowerAssist is an innovative aspect that enables integrating power from alternative sources during peak energy demand periods. This ensures an uninterrupted energy flow, keeping operations smooth even during moments of high power demand.

Equipped with an advanced four-stage adaptive charging process, the VICTRON battery charger is capable of optimizing battery charging and maintenance, enhancing their longevity over time. The Search mode is designed to improve the inverter's energy efficiency during idle operation, reducing energy consumption by up to 70%. The programmable relay acts as an alarm trigger, deactivating in case of abnormal conditions such as high inverter temperatures, excessive input ripple, or insufficient battery voltage.

With remote control capability, the VICTRON MultiPlus 24/500/10-16 allows managing the inverter, battery charger, and ignition/shutdown functions through a three-pole connector. The design aims to simplify configuration, monitoring, and control after installation, with the possibility of adjusting some settings via DIP switches.

For advanced remote monitoring and control, the installation of a Cerbo GX or other GX products connected to the Internet allows access to operational data through the Victron Remote Management (VRM) platform, offering more comprehensive and informed management of inverter performance.

TECHNICAL SPECIFICATIONS VICTRON MultiPlus 24/500/10-16

PowerControl: No
Parallel and Three-Phase Operation: Yes
Transfer Switch: 16A

INVERTER
Input Voltage Range: 9.5 - 17 V
Output Voltage: 230 VAC \pm 2%

Frequency: 50 Hz \pm 0.1%
Continuous Output at 25°C: 500 VA
Continuous Output at 25° / 40° / 65°: 430 W / 400 W / 300W
Peak Power: 900 W
Maximum Efficiency: 91%
Zero Load supply Consumption: 6 W
Zero Load supply Consumption in Search Mode: 2 W

BATTERYCHARGER

Input Voltage Range: 187-265 VAC
Input Frequency: 45-65Hz
"Absorption" Charge Voltage: 28.8 V
"Float" Charge Voltage: 27.6 V
"Storage" Mode Voltage: 26.4 V
Service Battery Charge Current: 10 A
Battery Charge Current: 1 A
Battery Temperature Sensor: Yes

Width: 182 mm
Length: 100 mm
Height: 311 mm
Weight: 4.4 kg

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Images and technical data are not binding.

Technical Sheet

Phase	Single phase
Frequency (Hz)	50 / 60
Voltage (V)	187-265
Protection degree	IP21
Output voltage (V)	230
Nominal current (A)	28.8
Charging voltage (V)	24
Length (mm)	311
Width (mm)	182
Height (mm)	100
Overload protectors	Yes
Input voltage (V)	24
Kind of wave	Pure Sinusoidal
Continuous power (W)	500
Colour	Blue
Weight (Kg)	4.5